

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Bakersfield, California

April 16, 1984

Mr. Harold M. Korell  
TENNECO OIL COMPANY  
P.O. Box 9909  
Bakersfield, CA 93389

Your report of abandonment of well "Tenneco-Sun" 11X-31,  
(Name and number)  
A.P.I. No. 029-70053, Section 31, T. 26S, R. 26E, MD B. & M.,  
-- field, Kern County,  
dated 2/17/84, received 2/29/84, has been  
examined in conjunction with records filed in this office, and we have determined that all of  
the requirements of this Division have been fulfilled.

EAW/wc  
Blanket Bond

M.G. MEFFERD  
State Oil and Gas Supervisor  
By A.G. HLUZA Deputy Supervisor

A.P.I.# 029-70053

HOLD FOR

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## RECORDS RECEIVED

DATE RECEIVED 2-29-84  
 Well Summary (Form OG100) ✓  
 History (Form OG103) ✓  
 Core Record (Form OG101) ✓  
 Elec. Log ✓  
 Sidewall Samples ✓  
 Directional Survey (Also enter below) ✓  
 Other Comp. Diplog; Mud log, Dip  
CDL, BNC  
 -0-0-0-

## ENGINEER'S CHECK LIST

1. Summary, History, & Core (dups) ✓  
 2. Elec. Log & others (dups) ✓  
 3. Operator's Name ✓  
 4. Well Designation ✓  
 5. Signature ✓  
 \* 6. Location Corr: Fr NW Cor 150S 250E  
 7. Elevation ✓  
 8. Notices ✓  
 9. "T" Reports ✓  
 10. Casing Record ✓  
 11. Plugs ✓  
 12. Surface Inspection ✓  
 13. Interpretive Data ✓  
 14. Production:  
 Date of Initial Production ✓  
 Date of Approved 6-months  
 Production ✓  
 15. Drill Cards ✓  
 -0-0-0-

## CLERICAL CHECK LIST

(Date & initial)  
 1. Form OGD 121 WC 4-13-84  
 2. Form OG 159 (Final Letter) WCV  
 3. Form OGD 150 (Release of Bond).  
 -0-0-0-

DIRECTIONAL SURVEY ✓ (2-29-84)  
 -0-0-0-

## MAP &amp; BOOK

Map # W4-2 Date of Entry 5-14-84 Engr. DJ  
 -0-0-0-  
83 - confid

## E.D.P. CLERK

Clerk \_\_\_\_\_ Date \_\_\_\_\_

## CONFIDENTIAL CLERK

Clerk \_\_\_\_\_ Date \_\_\_\_\_

HOLD FOR

Engr. MB  
 -0-0-0-  
 RECORDS APPROVED RB Date 4/5/84  
 (Engr.)  
 -0-0-0-

## REVIEW

-0-0-0-  
 BOND NO. DL Dated \_\_\_\_\_  
 Date eligible for release \_\_\_\_\_  
 (Use date of receipt of last requirement,  
 e.g., records, E-log, environ. inspect. etc.)  
 -0-0-0-

## STATUS &amp; DATE

(Use date of: initial production, injection,  
 disposal, determination of "idle", placing  
 of surface plug, or completed observation.)

Completed \_\_\_\_\_ Date \_\_\_\_\_

Idle \_\_\_\_\_ Date \_\_\_\_\_

Abandoned Dry Hole Date 12/29/83

Dry Hole	83-9103	Observation
Drilling		Oil (or Gas) con-
Oil		verted to observ-
Gas		ation
Gas-open to oil zone		Dual oil and
Water disposal		water flood source
Oil (or Gas) converted		steam flood
to water disposal		water flood
Storage-air (or -gas)		fire flood
Gas (or Oil) converted		gas injection
to gas storage		miscible injection
Water flood		CO <sub>2</sub> injection
Steam flood		gas
Fire flood		water disposal
Gas injection		observation
CO <sub>2</sub> injection		Dual gas and
Miscible injection		water flood source
Water flood source		steam flood
Oil (or Gas) converted		water flood
to water flood source		fire flood
		miscible injection
		CO <sub>2</sub> injection
		water disposal
		observation

Recompletion (dated) \_\_\_\_\_

-0-0-0-

APPROVAL FOR FINAL LETTER DM

Date 4/4/84

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

## WELL SUMMARY REPORT

RECEIVED  
APR 11 1984  
INV. 029-70053

FEB 29 1984

Operator <b>Tenneco Oil Company</b>		Well # <b>Tenneco-Sun 11X-31</b>			
Field -----		County <b>Kern</b>	Sec. <b>31</b>	T. <b>26S</b>	R. <b>26E</b>
Location (Give surface location from property or section corner, street center line and/or California coordinates) <b>150' S &amp; 250' E FR NW Cor., Sec. 31, T26S, R26E, M.D.B.&amp;M.</b>		Elevation of ground above sea level <b>387.3'</b>			

Commenced drilling (date) <b>12/8/83</b>	Total depth			Depth measurements taken from top of:	
	(1st hole) <b>9103</b>	(2nd)	(3rd)	<input type="checkbox"/> Derrick Floor	<input type="checkbox"/> Rotary Table
Completed drilling (date) <b>12/30/83</b>	Present effective depth <b>-0-</b>			Which is <b>17</b> feet above ground	
Commenced producing (date) <b>P &amp; A</b>	Junk			GEOLOGICAL MARKERS	
<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas lift				DEPTH	
Name of producing zone(s) -----				T/ 1st MYA 2122'	
				T/ Antelope 5147'	
				T/ Vedder 7161'	
				T/ Famosa 8438'	
				T/ Weathered Basement 8908'	
				Formation and age at total depth <b>Cretaceous</b>	

	Clean Oil (bbl per day)	Gravity Clean Oil	Percent Water including emulsion	Gas (Mcf per day)	Tubing Pressure	Casing Pressure
Initial Production	Plugged & abandoned					
Production After 30 days						

## CASING RECORD (Present Hole)

Size of Casing (API)	Top of Casing	Depth of Shoe	Weight of Casing	Grade and Type of Casing	New or Second Hand	Size of Hole Drilled	Number of Sacks or Cubic Feet of Cement	Depth of Cementing (if through perforations)
10-3/4"	-0-	1600'	40.5# 45.5#	K-55/ST&C	New	14-3/4"	1800cf	---

PERFORATED CASING (Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

Was the well directionally drilled? If yes, show coordinates at total depth  
☒ Yes ☐ No TD: 9103', TVD: 9098', N21' E161'

Electrical log depths  
**9103-1600**

Other surveys

FDC/CNL/ GR, Sonic, 4-Arm Dipmeter, Dir. Survey, Mud Log, SWS,

In compliance with Sec. 3215, Division 3 of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Name <b>H.M. Korell/ Tenneco Oil Co.</b>		Title <b>Division Production Manager</b>	
Address <b>P.O. Box 9909</b>		City <b>Bakersfield,</b>	Zip Code <b>93389</b>
Telephone Number <b>805- 835-6902</b>	Signature <i>H.M. Korell</i>	Date <b>2/17/84</b>	

SUBMIT IN DUPLICATE



SUBMIT IN DUPLICATE  
RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
**DIVISION OF OIL AND GAS**

**History of Oil or Gas Well**

RECEIVED  
FEB 29 1984  
DIVISION OF OIL & GAS  
BAKERSFIELD

Operator TENNECO OIL COMPANY Field Wildcat County Kern  
Well "Tenneco-Sun" 11X-31, Sec. 31, T 26S, R 26E, MD B. & M.  
A.P.I. No. 029-70053 Name H. M. Korell Title Div. Prod. Mgr.  
Date 2/17, 1984 (Person submitting report) (President, Secretary or Agent)

Signature H.M. Korell

P. O. Box 9909, Bakersfield, CA 93389  
(Address)

(805) 835-6700  
(Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
1983	
12/8	MIRU Cleveland Rig #8. Spudded 14 3/4" hole @ 0100 hrs, 12/8/83. Drld to 404'. Mud wt. 8.7 ppg.
12/9	Drld to 1600'. RU & ran 42 jts 10 3/4" 40.5# & 45.5# K-55/ST&C csg w/shoe @ 1600', insert float @ 1561'. RU Dowell. Prep to cmt. Mud wt. 9.1 ppg.
12/10	Cmt'd 10 3/4" csg w/1300 cf Class "G" neat, followed by 500 cf Class "G" w/2% CaCl <sub>2</sub> Displ w/900 cf mud. Bumped plug, float held. +800 cf cmt returns. CIP @ 0625 hrs, 12/9/83. WOC. Cut conductor & csg. Installed csg head. Tested to 1000# - OK. NU BOPE. Tested blind rams to 2000#.
12/11	PU drlg assembly. RIH to 1428'; tested rams & choke manifold to 2000#, hydril to 1500#. Witnessed & approved by D.O.G. Drld out insert, cmt & shoe to 1600'. CO to Cypan mud @ 2700' & installed mud loggers @ 1600'. Drld to 2710'. Mud 9.0 ppg.
12/12	Drld to 3633'. Mud 9.4 ppg.
12/13	Drld to 4460'. Mud 9.5 ppg.
12/14	Drld to 5260'. Mud 9.5 ppg.
12/15	Drld to 5515'. Mud wt. 10.0 ppg.
12/16	Drld to 5804'. Mud wt. 9.9 ppg.
12/17	Drld to 6408'. Mud wt. 10.0 ppg.
12/18	Drld to 7091'. Mud wt. 10.0 ppg.
12/19	Drld to 7599'. Mud wt. 10.0 ppg.
12/10	Drld to 8020'. Mud wt. 9.9 ppg.
12/21	Drld to 8277'. Mud wt. 9.9 ppg.
12/22	Drld to 8599'. Mud wt. 10.0 ppg.
12/23	Drld to 8796'. Mud wt. 9.9 ppg.



# History of Oil or Gas Well

Operator Tenneco Oil Company Field Wildcat County Kern  
 Well Tenneco-Sun 11X-31 , Sec. 31 , T 26S , R 26E , M.D.B. & M.  
 A.P.I. No. 029-70053 Name H. M. Korell Title Div. Prod. Mgr.  
 Date 2/17 , 1984 (Person submitting report) (President, Secretary or Agent)

Signature H. M. Korell

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 FEB 29 1984  
 DIVISION OF OIL & GAS  
 BAKERSFIELD

Date	
12/24	Drld to 8950'. Mud 10.0.
12/25	Drld to 9098'. MOH. Mud wt. 9.9 ppg.
12/26	9103' TD (corrected). RU Dresser-Atlas. Ran DIL, Sonic, FDC/CNL/GR.
12/27	Ran 4-arm Dipmeter. Ran Velocity survey. Shot 50 SWS, rec'd 48. RD Dresser-Atlas. RIH w/O.E. DP. Mud wt. 9.9 ppg.
12/28	TIH w/O.E. DP to 5352'. SET Plug #1 w/300 cf Class "G" w/1% CaCl <sub>2</sub> . CIP @ 0735 hrs, 12/27/83. TOH. Tagged TOC @ 4939'. Approved by D.O.G. Pulled to 2810'. Cmt plug #2 w/270 cf Class "G" w/2% CaCl <sub>2</sub> . CIP @ 1650 hrs, 12/27/83. Tagged TOC @ 2590'. MU DST tools. Mud wt. 9.7 ppg.
12/29	DST #1 pkrs @ 2542' & 2548', Tail @ 2590', 200' fresh wtr cushion + nitrogen to equal 877 psi BHP. IFP 12 min (0945-0957 hrs); bled off nitrogen 877-500 psi. Closed ISP 49 min. (0957-1046 hrs). Opened 2nd flow 2 hrs, 14 min (1046-1300 hrs). Bled off nitrogen & dead @ 1200 hrs, then medium blow 1203-1235 hrs. Dead 'til 1300 hrs. Closed in 2 hrs, 5 min (1305-1505 hrs). Pulled loose, POH. Rec'd wtr cushion + 1901' formation wtr; salinities 2525-975 ppm Cl. IH 1241, <sup>1ST</sup> IF 734, ISI not readable, 2nd FF 971, FSI not legible. LD test tools. RIH w/bit , cleaned out to 1990'. POH. RIH w/open-end DP to set cement plugs.
12/30	TIH w/o.e. DP to 1990'. Set cmt plug #3 w/370 cf Class "G" cmt w/3% CaCl <sub>2</sub> , CIP @ 0930 hrs, 12/29/83. WOC; tagged TOC @ 1483'. Witnessed & approved by D.O.G. LDDP & DCs. Tore out BOPes.
12/31	ND BOP. Cut off csg 5' below GL. SP 25' - surface. Witnessed & approved by D.O.G. Welded plate over 10 3/4" casing top. Rig rlsd @ 1400 hrs, 12/30/83. Plugged & abandoned.

CORE LABORATORIES, INC.  
*Petroleum Reservoir Engineering*  
DALLAS, TEXAS

CORE ANALYSIS REPORT

FOR

TENNECO OIL CO.

"TENNECO-SUN" 11X-31  
MCFARLAND FIELD  
KERN COUNTY, CA.

029-78053

RECEIVED  
FEB 29 1984  
DIVISION OF OIL & GAS  
BAKERSFIELD

CORE LABORATORIES, INC.



December 28, 1983

Tenneco Oil Company  
Post Office Box 9909  
Bakersfield, California 93309

Attention: Mr. Bill Emerson

RECEIVED  
FEB 29 1984  
DIVISION OF OIL & GAS  
BAKERSFIELD

029-70053

Subject: Core-Analysis Data  
"Tenneco-Sun" 11X-31 Well  
McFarland Field  
Kern County, California  
CLI File # 012700

Gentlemen:

Percussion type sidewall core samples recovered from the subject well were submitted to our Bakersfield laboratory for analysis. The results of these analyses are presented in the accompanying report with a general lithological description of the samples. The sample weights are also reported in order that these data may be taken into statistical account in evaluating the sampled intervals.

Special photographic equipment has been developed to give a permanent visual record of your sidewall cores. Color photographs in ultra-violet and white light are included in this report.

We sincerely appreciate this opportunity to serve you and hope these data prove beneficial in the development of this reservoir.

Very truly yours,

CORE LABORATORIES, INC.

*James A. Cusator*  
James A. Cusator  
Vice-President, California Division  
California Professional Engineer  
Reg. No. P-1176

JAC:kem



**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
DALLAS, TEXAS

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029-70053

TENNECO OIL CO.  
'TENNECO-SUN' 11X-31  
MCFARLAND FIELD  
KERN COUNTY, CA.

**RECEIVED**  
**FEB 29 1984**

DATE : 27-DEC-83  
FORMATION :  
DRLG, FLUID: WB  
LOCATION : SEC.31-T26S/R26E

FILE NO : 12700  
LABORATORY: BAKERSFIELD  
ANALYSTS : DLK,BC  
ELEVATION : 418' KB

DIVISION OF OIL & GAS  
BAKERSFIELD

SIDEWALL CORE ANALYSIS

REC IN	DEPTH	PERM MD(*)	POR %	OIL% PORE	WTR% PORE	O/W RATIO	SAMPLE WEIGHT	API OIL	DESCRIPTION
2.0	2129.0	0.9	44.2	0.6	88.8	0.01	7.00		SLT;BRN,VCLY,MSTN,NO FLU
1.8	2156.0	0.2	40.0	0.0	96.5	0.00	8.43		CLY;GY,SLTY,NO STN,NO FLU
2.0	2185.0	7.0	37.2	0.0	89.0	0.00	5.30		SD;GY,VGR,VCLY,VSLTY,NO STN,NO FLU
1.8	2190.0	5.0	37.1	0.0	88.5	0.00	6.94		SAME
1.7	2363.0	620.	37.8	0.0	78.8	0.00	9.25		SD;GY,VF-FGR,SLTY,NO STN,NO FLU
1.6	2343.0	740.	34.6	0.0	91.6	0.00	10.58		SAME
1.8	2348.0	0.4	46.6	0.9	89.9	0.01	8.53		CLY;GY-BRN,SLTY,MSP STN,NO FLU
1.8	2363.0	18.	39.5	0.0	92.1	0.00	8.31		SD;GY,VFGR,VSLTY,CLY,NO STN,NO FLU
	2540.0								NO SAMPLE
1.6	2544.0	410.	35.6	0.0	88.6	0.00	11.63		SD;GY,VFGR,SLTY,NO STN,NO FLU
1.6	2556.0	4170.	28.7	0.0	78.7	0.00	6.44		SD;GY,VF-CGR,SSLTY,NO STN,NO FLU
0.9	2562.0	1630.	27.5	0.0	69.4	0.00	2.64		SD;GY,VF-MGR/VGR,SSLTY,CLY INCL,NO STN,NO FLU
1.9	2574.0	10.	36.5	0.0	79.4	0.00	9.22		SD;GY,VFGR,SLTY,CLY LAMS,NO STN,NO FLU
1.9	2588.0	2.8	36.6	0.0	88.2	0.00	8.77		CLY;GY,VFGR SDY,SLTY LAMS,NO STN,NO FLU
0.5	5239.0	2.1	43.9	14.6	63.4	0.23	3.09	13	SLT;BRN,SHLY,DSTN,NO FLU
1.3	5253.0	1.1	37.5	17.3	69.9	0.25	7.95		SAME
0.5	5255.0	1.0	35.8	19.0	64.5	0.29	5.93	12	SAME
0.5	5261.0	2.0	37.6	17.4	65.8	0.26	3.73		SAME
0.5	5265.0	1.5	43.9	16.0	68.0	0.24	5.06	13	SAME
	5988.0								NO SAMPLE
1.3	5994.0	85.	29.1	0.0	82.4	0.00	9.95		SD;GY,VF-FGR,SLTY,CLY,SCALC,NO STN,NO FLU
1.2	6013.0	530.	31.7	0.0	89.8	0.00	9.66		SD;GY,VF-FGR,SLTY,NO STN,NO FLU
1.2	6115.0	500.	27.7	0.0	86.3	0.00	10.02		SAME/FDS
1.0	6193.0	42.	21.5	0.0	80.4	0.00	5.77		SD;GY,VFGR,VSLTY,VCALC,NO STN,NO FLU
1.3	6288.0	20.	24.2	0.0	82.3	0.00	8.65		SAME
1.3	7170.0	39.	28.7	0.0	85.2	0.00	7.98		SD;GY,VF-MGR,SLTY,SCALC,NO STN,NO FLU
0.4	7187.0	18.	26.0	0.0	73.6	0.00	7.15		SAME/VCALC
0.4	7220.0	21.	24.7	0.0	72.9	0.00	4.20		SAME/VCALC

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
DALLAS, TEXAS

PAGE 2

TENNECO OIL CO.  
"TENNECO-SUN" 11X-31

DATE : 27-DEC-83  
FORMATION :

FILE NO : 12700  
LABORATORY: BAKERSFIELD

SIDEWALL CORE ANALYSIS

REC IN	DEPTH	PERM MD(*)	POR %	OIL% PORE	WTR% PORE	O/W RATIO	SAMPLE WEIGHT	API OIL	DESCRIPTION
1.1	7414.0 7609.0	9.0	26.4	0.0	86.8	0.00	9.45		SD;GY,VFGR,SLTY,VCALC,NO STN,NO FLU SLT;BRN,SHLY,MSTN,NO FLU
1.8	7680.0	3.0	26.8	0.0	90.7	0.00	8.80		SD;GY,VFGR,VCLY,SLTY,CALC,NO STN,NO FLU
1.8	7716.0	8.0	29.8	0.0	85.5	0.00	7.81		SD;GY,VFGR,SLTY,CLY,NO STN,NO FLU
1.1	8063.0	5.0	29.1	1.0	74.3	0.01	7.47		SD;GY,VFGR,VCLY,SLTY,SCALC,,MSTR STN,VDGL
1.2	8445.0	0.9	27.0	0.0	85.2	0.00	8.75		SLT;GY,CLY,NO STN,NO FLU
1.1	8456.0	1.8	24.9	0.0	79.2	0.00	8.48		SD;GY,VFGR,VSLTY,CLY,NO STN,NO FLU
1.2	8464.0	7.0	27.2	0.0	85.6	0.00	8.95		SD;GY,VFGR/CGR,SLTY,CLY,NO STN,NO FLU
1.2	8470.0	25.	27.9	0.0	84.9	0.00	8.20		SD;GY,VFGR/MGR,SLTY,SCALC,NO STN,NO FLU
0.3	8482.0	52.	26.4	0.0	69.9	0.00	5.86		SD;GY,VF-CGR,SLTY,CALC,CLY,NO STN,NO FLU
1.0	8498.0	31.	29.4	0.0	78.5	0.00	5.65		SD;GY,VF-FGR,SLTY,CLY,NO STN,NO FLU
1.1	8502.0	50.	27.7	0.0	84.0	0.00	7.75		SD;GY,VF-MGR,SLTY,CLY,NO STN,NO FLU
0.5	8657.0	120.	26.5	0.0	75.3	0.00	6.60		SD;GY,VF-CGR,SLTY,NO STN,NO FLU
1.0	8750.0 8798.0	43.	23.5	7.9	52.6	0.15	3.46		SD;BRN,VF-FGR,MSTN,VDGLD FLU NO SAMPLE
1.0	8830.0	7.0	26.4	0.0	80.5	0.00	6.85		SD;GY,VFGR,VSLTY,NO STN,NO FLU
0.6	8840.0	2.0	25.7	0.0	88.2	0.00	7.30		SAME/CLY LAMS
1.0	8843.0	0.6	30.9	0.0	89.2	0.00	8.25		SLT;GY,VCLY,VFGR SDY,NO STN,NO FLU
1.2	8858.0	0.2	32.0	0.0	77.1	0.00	6.22		CLY;GY,SLTY,NO STN,NO FLU
0.4	8920.0	0.1	20.5	0.0	77.8	0.00	3.16		SH;DK GY,CHTY,NO STN,NO FLU
0.4	8962.0	0.6	21.3	0.0	65.2	0.00	5.02		SH;GY,SLTY,NO STN,NO FLU
0.6	9000.0	0.5	26.2	0.0	77.4	0.00	4.52		SH;GY,SLTY,CLY,NO STN,NO FLU

(\*) PERMEABILITY VALUES FOR PERCUSSION TYPE SIDEWALL CORES DETERMINED EMPIRICALLY.

RECEIVED  
FEB 29 1984  
DIVISION OF OIL & GAS  
BAKERSFIELD

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

3/26/

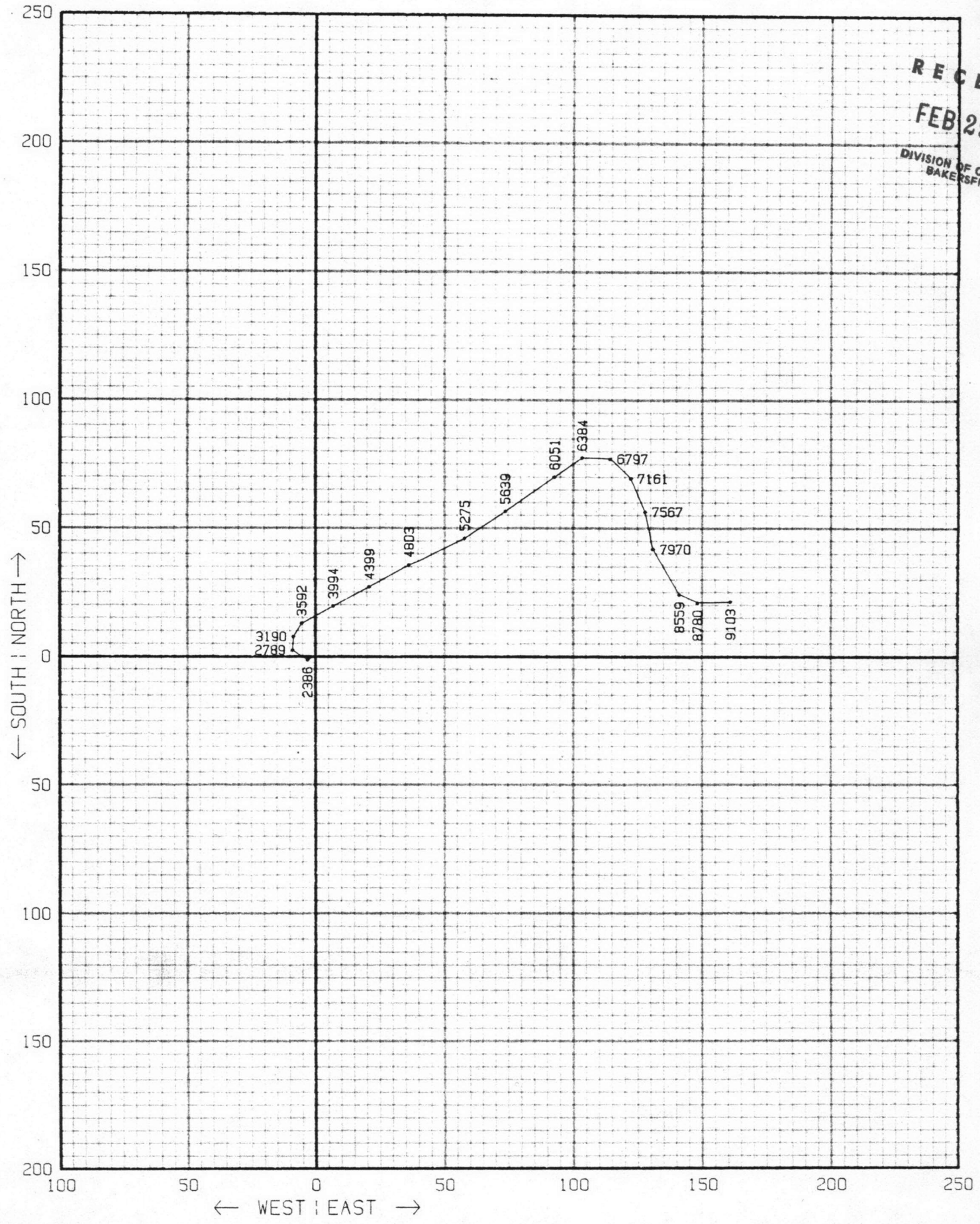
029-70053

TENNECO OIL COMPANY

TENNECO-SUN (McFARLAND) 11X-31

Scale: 1" = 50'

RECEIVED  
FEB 29 1984  
DIVISION OF OIL & GAS  
BAKERSFIELD





## TENNECO OIL COMPANY

## DIRECTIONAL SURVEY RECORD

WELL: TENNECO-SUN (McFARLAND) 11X-31  
 COUNTY: KERN  
 CONTRACTOR: CLEVELAND RIG #8

FIELD: WILDCAT  
 SEC. 31, T26S/R26E, MDB&M  
 KB ELEV.= 404.3'

MEASURED DEPTH	DRIFT ANGLE	VERTICAL DEPTH	DEVIATION DIRECTION	NORTH	COORDINATES SOUTH   EAST	WEST	DOGLEG SEV.
2,022	0.00	2,022.00	S 65 W	0.00		0.00	0.00
2,386	1.00	2,385.99	S 65 W		1.34	2.88	.27
2,789	1.00	2,788.92	N 01 E	2.49		8.78	.50
3,190	.50	3,189.89	N 08 E	7.72		8.37	.13
3,592	1.25	3,591.84	N 56 E	12.93		5.11	.26
3,994	2.75	3,993.60	N 67 E	19.62	7.22		.39
4,399	1.75	4,398.29	N 56 E	27.21	21.19		.27
4,803	3.25	4,801.90	N 66 E	35.75	36.60		.39
4,875	3.00	4,873.79	N 70 E	37.22	40.24		.46
5,275	2.75	5,273.29	N 57 E	46.17	58.20		.17
5,639	3.25	5,636.79	N 56 E	56.69	74.08		.14
6,051	3.25	6,048.13	N 53 E	70.25	93.10		.04
6,384	1.25	6,380.87	N 57 E	77.75	103.81		.60
6,797	1.75	6,793.73	S 52 E	77.28	114.61		.47
7,161	1.75	7,157.56	S 40 E	69.56	122.60		.10
7,567	2.25	7,563.31	S 06 E	56.51	128.14		.32
7,970	2.00	7,966.04	S 18 E	41.90	131.25		.13
8,559	2.00	8,554.68	S 42 E	24.10	141.53		.14
8,780	2.00	8,775.54	S 89 E	20.90	148.54		.74
9,083	2.50	9,078.31	N 85 E	21.31	160.43		.18
PROJECTED TD							
9,103	2.53	9,098.29	N 84.60 E	21.39	161.31		.19
CLOSURE:			162.72'	N 82 DEG 27' E			

ALL CALCULATIONS ARE AVERAGE ANGLE METHOD.

DIVISION OF OIL AND GAS

Report on Operations

Harold M. Korell

TENNECO OIL COMPANY

P.O. Box 9909

Bakersfield, CA 93389

Bakersfield, Calif.

February 7, 1984

Your operations at well "Tenneco-Sun" 11X-31, API No. 029-70053,  
Sec. 31, T. 26, SR. 26E, M.D.B. & M. ----- Field, in Kern County,  
were witnessed on 12-29-83 by Ms. Joyce Jaszarowski, representative of  
the supervisor, was present from 1100 to 1430. There were also present Mr. Tom King,  
Company Representative.

Present condition of well: 16" cem. 77'; 10 3/4" cem. 1600'. T.D. 9103'. ED 4939'.  
Plugged w/cement 1990' - 1483', 25' - 5'.

The operations were performed for the purpose of abandonment.

DECISION: THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

JJ/vk

M.G. MEFFERD  
State Oil & Gas Supervisor  
By A.G. Hluza  
A.G. Hluza, Deputy Supervisor

**DIVISION OF OIL AND GAS  
Cementing/Plugging Memo**

-101

Operator Tenneco Oil Co. Well No. "Tenneco - Sun" 11x-31  
 API No. 029-70053 Sec. 31, T. 26S, R. 26E, MD B&M  
 Field —, County Kern. On 12-29-83,  
 Mr. Ms. Joyce Jaszarows, representative of the supervisor was present from 1100 to 1430.  
 There were also present MR. Tom. King - Company representative  
 Casing record of well: 16" cem 77'; 10 3/4" cem 1600', TD. 9103, ED 4939  
Plugged w/ cement 1990-1483, 25-5.

The operations were performed for the purpose of D1

☒ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ \_\_\_\_\_' is approved.

Hole size: \_\_\_\_\_" fr. \_\_\_\_\_' to \_\_\_\_\_', \_\_\_\_\_" to \_\_\_\_\_' & \_\_\_\_\_" to \_\_\_\_\_'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: \_\_\_\_\_" shot/cut at \_\_\_\_\_', \_\_\_\_\_', \_\_\_\_\_' pulled fr. \_\_\_\_\_';  
 \_\_\_\_\_" shot/cut at \_\_\_\_\_', \_\_\_\_\_', \_\_\_\_\_' pulled fr. \_\_\_\_\_'.

Junk (in hole): \_\_\_\_\_

Hole fluid (bailed to) at \_\_\_\_\_'. Witnessed by \_\_\_\_\_

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt./Sample	Date & Time	Engr.
12/29	370 CF	OEDP @ 1990	—	Rptd	1483	drill pipe wt	12/29 1400	JJ
12/30	255x	surface plug	—	✓	5'	usual	12/30 1300	JJ

*Handed for  
release OK 1/30/84  
11/29*



DIVISION OF OIL AND GAS

Report on Operations

Harold M. Korell

TENNECO OIL COMPANY

P.O. Box 9909

Bakersfield, CA 93389

Bakersfield, Calif.

February 2, 1984

Your operations at well "Tenneco-Sun" 11X-31, API No. 029-70053,  
Sec. 31, T26S R.26E, M.D.B. & M. Field, in Kern County,  
were witnessed on 12-27-83 by Ms. Joyce Jaszowski, representative of  
the supervisor, was present from 1100 to 1430. There were also present Mr. Tom King,  
Company Representative.

Present condition of well: 16" cem. 77'; 10 3/4" cem. 1600'. T.D. 9103'. Plugged w/cement  
5352' - 4939'.

The operations were performed for the purpose of plugging the lower portion of the hole.

DECISION: THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

JJ/vk

M.G. MEFFERD  
State Oil & Gas Supervisor  
By A.G. Hluza  
A.G. Hluza, Deputy Supervisor

**DIVISION OF OIL AND GAS  
Cementing/Plugging Memo**

-99

Operator Tenneco Oil Co. Well No. "Tenneco-Sun" 11x-31  
 API No. 029-70053 Sec. 31, T. 26S, R. 26E, MD B&M  
 Field —, County Kern. On 12-27-83,  
 Mr. Ms. Joyce Jaszarowski, representative of the supervisor was present from 1100 to 1430.  
 There were also present MR. Tom King- company representative.  
 Casing record of well: 16" cem 77' ; 10 3/4" cem 1600. TD 9103. Plugged  
w/ cement 5352 -4 939.

The operations were performed for the purpose of D2

☒ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ \_\_\_\_\_' is approved.

Hole size: \_\_\_\_\_" fr. \_\_\_\_\_' to \_\_\_\_\_', \_\_\_\_\_" to \_\_\_\_\_' & \_\_\_\_\_" to \_\_\_\_\_'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: \_\_\_\_\_" shot/cut at \_\_\_\_\_', \_\_\_\_\_', \_\_\_\_\_' pulled fr. \_\_\_\_\_';  
 \_\_\_\_\_" shot/cut at \_\_\_\_\_', \_\_\_\_\_', \_\_\_\_\_' pulled fr. \_\_\_\_\_'.

Junk (in hole): \_\_\_\_\_

Hole fluid (bailed to) at \_\_\_\_\_'. Witnessed by \_\_\_\_\_

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt./Sample	Date & Time	Engr.
12/27	300 cf	OEDP @ 5352	—	Rptd	4939	drill pipe weight	12/27 1400	JJ

Held for  
notice  
OK 1/30/84  
m

# PERMIT TO CONDUCT WELL OPERATIONS

--  
(field code)

--  
(area code)

--  
(new pool code)

--  
(old pool code)

H. M. Korell

TENNECO OIL COMPANY

P.O. Box 9909

Bakersfield, Ca. 93389

Bakersfield

, California

January 12, 1984

Your \_\_\_\_\_ proposal to abandon well "Tenneco-Sun" 11X-31,  
A.P.I. No. 029-70053, Section 31, T. 26S, R. 26E, M.D. B. & M.,  
\_\_\_\_\_, field, \_\_\_\_\_ area, \_\_\_\_\_ pool,  
Kern County, dated 1/11/84, received 1/11/84 has been examined in conjunction with records  
filed in this office.

DECISION: THE PROPOSAL, COVERING WORK ALREADY COMPLETED IN ACCORDANCE WITH PRIOR  
AGREEMENT, IS APPROVED.

NOTE: THIS DIVISION SHALL BE NOTIFIED TO INSPECT the cleaned-up well site before final  
approval of abandonment will be issued.

ENV  
OK  
1/22/84  
TC

Blanket Bond

Engineer Dan Tuttle

Phone 322-4031

DT:nj

M. G. MEFFERD, State Oil and Gas Supervisor

By

A. G. Hluza, Deputy Supervisor

A copy of this report and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed  
or the operations have been suspended.



Abd  
Dry Hole  
DT

STATE OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
**DIVISION OF OIL AND GAS**

RECEIVED

JAN 11 1984

**Notice of Intention to Abandon Well**

This notice must be given at least five days before work is to begin.

**DIVISION OF OIL AND GAS**

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	bl	84-02	19

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well TENNECO-SUN 11X-31, API No. 029-70053, Sec. 31, T. 26S, R. 26E, M.D. B. & M., - Field, Kern County, commencing work on December 27, 19 83.

The present condition of the well is:

1. Total depth 9103'
2. Complete casing record, including plugs and perforations  
10 3/4" csg cmt'd @ 1600'.

3. Last produced N/A  
(Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)

or

4. Last injected N/A  
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional data for dry hole (show depths):

5. Oil or gas shows  
Slight Trace Shows 5200-5400'  
8000-8400'  
8500-8750'  
8800-8900'
6. Stratigraphic markers T/1st Mya 2122'  
T/Antelope 5147', T/Vedder 7161'  
T/Famosa = 8438', T/Weathered Basement 8908'
7. Formation and age at total depth  
Creatceous
8. Base of fresh water sands +1850'

The proposed work is as follows:

1. Set cmt plug #1 5352-4939'.
2. Set cmt plug #2 2810-2590'. (for DST).
3. Set cmt plug #3 1990-1483'.
4. Cut off 10 3/4" csg +5' below surface.
5. Set cmt surface plug 25' to surface.
6. Weld steel plate over 10 3/4" csg stub.
7. Restore location.

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address 10000 Ming Avenue  
(City) (State) (Zip)

Bakersfield, CA 93309  
(City) (State) (Zip)

Telephone Number (805) 835-6700  
(Area Code) (Number)

TENNECO OIL E&P  
(Name of Operator)

By W. W. May  
(Print Name)

W. W. May 1/11/84  
(Signature) (Date)

DIVISION OF OIL AND GAS

Report on Operations

Harold M. Korell

TENNECO OIL COMPANY

P.O. Box 9909

Bakersfield, CA 93389

Bakersfield, Calif.

December 19, 1983

Your operations at well "Tenneco-Sun" 11X-31, API No. 029-70053,  
Sec. 31, T26S R.26E, M.D.B. & M. ----- Field, in Kern County,  
were witnessed on 12-10-83 by Mr. R.J. Bowles, representative of  
the supervisor, was present from 0800 to 1200. There were also present R.A. Herman,  
Drilling Foreman.

Present condition of well: 16" cem. 77'; 10 3/4" cem. 1600'. T.D. 1600'.

The operations were performed for the purpose of testing the blowout prevention equipment and  
installation.

DECISION: THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

RJB/vk

M.G. MEFFERD  
State Oil & Gas Supervisor  
By A.G. Hluza  
A.G. Hluza, Deputy Supervisor



T 1284

ITS: Date	Engineer	Time	Operator's Rep.	Title
1st <u>12/1/53</u>	<u>R J BOWLES</u>	<u>0800</u> to <u>1200</u>	<u>R. A. HERMAN</u>	<u>DRILLING FOREMAN</u>
2nd _____	_____	_____ to _____	_____	_____

160cm 77'

Hole size: 14 3/4 " fr. D ' to 1600 ', " to ' & " to

REMARKS: \_\_\_\_\_

OK/AN



## REPORT ON PROPOSED OPERATIONS

--  
(field code)

--  
(area code)

--  
(new pool code)

--  
(old pool code)

H. M. Korell  
TENNECO OIL COMPANY  
P.O. Box 9909  
Bakersfield, Ca. 93389

Bakersfield, California  
November 25, 1983

Your \_\_\_\_\_ proposal to drill well "Tenneco-Sun" 11X-31,  
A.P.I. No. 029- 70053, Section 31, T. 26S, R. 26E, M.D. B. & M.,  
\_\_\_\_\_, field, \_\_\_\_\_ area, \_\_\_\_\_ pool,  
Kern County, dated 11/16/83, received 11/17/83 has been examined in conjunction with records  
filed in this office.

### DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Drilling fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
2. Sufficient cement shall be pumped back of the 10 3/4" casing to fill to the surface.
3. The specified blowout prevention equipment is considered minimal and shall be installed and maintained in operating condition at all times: On the 10 3/4" casing, DOG Class III, 2M and hole fluid monitoring equipment as defined by DOG Manual M07.
4. Sufficient cement shall be used to fill the annular space behind the 7" casing to at least 500' above oil and gas zones and excessive pressure intervals and to at least 100' above the base of fresh water.
5. THIS DIVISION SHALL BE NOTIFIED TO WITNESS a test of the blowout prevention equipment prior to drilling out the shoe of the 10 3/4" casing.
6. The productive interval shall be not less than 75' from an outer boundary line.

### NOTES:

1. Before flaring or blowing gas, prior permission must be obtained from this Division.
2. The Division will monitor the monthly production of this well for a period of 6 months, and if anomalous water production is indicated, remedial action will be ordered.
3. Confidential status granted for two years per Public Resources Code, Section 3234.

RLA:nj  
Blanket Bond

M. G. MEFFERD, State Oil and Gas Supervisor

By *A. G. Bluzel*  
Deputy Supervisor

A copy of this report and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

**DIVISION OF OIL AND GAS**  
**Notice of Intention to Drill New Well**

RECEIVED  
NOV 17 1983

**C.E.Q.A. INFORMATION**

EXEMPT <input type="checkbox"/>	NEG. DEC. <input type="checkbox"/>	E.I.R. <input type="checkbox"/>	DOCUMENT NOT REQUIRED BY LOCAL JURISDICTION <input checked="" type="checkbox"/>
CLASS _____	S.C.H. NO. _____	S.C.H. NO. _____	

See Reverse Side

**FOR DIVISION USE ONLY**

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
W4-2	RA	W	OL	83/48	WC

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to commence drilling well Tenneco-Sun "McFarland" 11x-31, API No. 029-70053 (Assigned by Division), Sec. 31, T. 26S, R. 26E, M.D.B. & M., Wildcat Field, Kern County.

Legal description of mineral-right lease, consisting of 3040 acres, is as follows: (Attach map or plat to scale)

All of Sec. 25, E/2 of Sec. 36, all in T26S/R25E, MDB&M. SW/4 of Sec. 30, W/2 E/2 of Sec. 31, all in T26S/R26E, MDB&M, all Sec. 6, W/2 of Sec. 5, W/2, W/2 E/2 of Sec. 8, T27S/R26E, MDB&M.

Do mineral and surface leases coincide? Yes ☒ No \_\_\_\_\_. If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of well 250 feet south along section/property line and 150 feet east (Direction) (Cross out one)

at right angles to said line from the northwest corner of section/property 31 or (Cross out one)

Is this a critical well according to the definition on the reverse side of this form? Yes ☐ No ☒

If well is to be directionally drilled, show proposed coordinates (from surface location) at total depth: \_\_\_\_\_ feet (Direction) and \_\_\_\_\_ feet (Direction)

Elevation of ground above sea level 388 feet. (est.)

All depth measurements taken from top of Kelly Bushing that is 30 feet above ground. (Derrick Floor, Rotary Table, or Kelly Bushing)

**PROPOSED CASING PROGRAM**

SIZE OF CASING INCHES API	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS	CALCULATED FILL BEHIND CASING (Linear Feet)
10 3/4"	40.5# 45.5#	K-55/ST&C	-0-	1600'	Shoe	To surface
7"	26#	N-80 S-95/LT&C	-0- 7,500'	7,500' 10,000'	Shoe	+500' above pay zone

(A complete drilling program is preferred and may be submitted in lieu of the above program.)

Intended zone(s) of completion Famosa Sand Estimated total depth 10,000'  
(Name, depth, and expected pressure)

It is understood that if changes in this plan become necessary we are to notify you immediately.

Name of Operator <b>TENNECO OIL COMPANY</b>		Type of Organization (Corporation, Partnership, Individual, etc.) <b>CORPORATION</b>	
Address <b>P. O. Box 9909</b>		City <b>Bakersfield</b>	Zip Code <b>93389</b>
Telephone Number <b>(805) 395-5200</b>	Name of Person Filing Notice <b>W. W. May</b>	Signature <i>W. W. May</i>	Date <b>11/16/83</b>

This notice and indemnity or cash bond shall be filed, and approval given, before drilling begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.